

FIG. 1**NUCLEOTIDE AND AA SEQUENCE**

Nucleic acid sequence of Protease T (SEQ.ID.NO.:1)

GACCACGGCCCTGCGCCCCAGCCAGGCCTGAGGACATGAGGCGGCCGCGCGCGGTGCCGC
TCCTGCTGCTGCTGTGT'TTTGGGTCTCAGAGGGCCAAGGCAGCAACAGCCTGTGGTCGCC
CCAGGATGCTGAACCGAATGGTGGGCGGGCAGGACACGCAGGAGGGCGAGTGGCCCTGGC
AAGTCAGCATCCAGCGCAACGGAAGCCACTTCTGCGGGGGCAGCCTCATCGCGGAGCAGT
GGGTCTGACGGCTGCGCACTGCT'TCCGCAACACCTCTGAGACGTCCCTGTACCAGGTCC
TGCTGGGGGCAAGGCAGCTAGTGCAGCCGGGACCACACGCTATGTATGCCCGGGTGAGGC
AGGTGGAGAGCAACCCCTGTACCAGGGCACGGCCTCCAGCGCTGACGTGGCCCTGGTGG
AGCTGGAGGCACCAAGTGCCTTACCAATTACATCCTCCCCGTGTGCCTGCCTGACCCCT
CGGTGATCT'TTGAGACGGGCATGAACTGCTGGGTCACTGGCTGGGGCAGCCCCAGTGAGG
AAGACCTCCTGCCCGAACC GCGGATCCTGCAGAAACTCGCTGTGCCCATCATCGACACAC
CCAAGTGCAACCTGCTCTACAGCAAAGACACCGAGT'TTGGCTACCAACCCAAAACCATCA
AGAATGACATGCTGTGCGCCGGCTTTCAGGAGGGCAAGAAGGATGCCTGCAAGGGCGACT
CGGGCGGCCCCCTGGTGTGCCTCGTGGGTGAGTCTGCTGGCTGCAGGCGGGGGTGATCAGCT
GGGGTGAGGGCTGTGCCCCGAGAACCGCCAGGTGTCTACATCCGTGTCACCGCCCCACC
ACAACTGGATCCATCGGATCATCCCCAACTGCAGTTCAGCCAGCGAGGT'TGGGCGGCC
AGAAGTGAGACCCCCGGGGCCAGGAGCCCCCTTGAGCAGAGCTCTGCACCCAGCCTGCCCCG
CCCACACCATCCTGCTGGTCCCTCCAGCGCTGCTGTTGCACCTGTGAGCCCCACCAGACT
CATTTGTAAATAGCGCTCCTTCCCTCCCTCTCAAATACCC'TATTTTATTTATGTTTCTC
CCAATAAAAACCCAGCCTGTGTGCCAGCTG

>Amino Acid Sequence of Protease T (SEQ.ID.NO.:7)

MRRPAAVPLLLLLLFCGSQRAKAATACGRPRMLNRMVGGQDTQEGEWPWQVSIQRNGSHFC
GGSLIAEQWVLTAHCFRNTSETSLYQVLLGARQLVQPGPHAMYARVRQVESNPLYQGTA
SSADVALVELEAPVPF'TNYILPVCLPDPSVIFETGMNCWVTGWGSPSEEDLLPEPRILQK
LAVPIIDTPKCNLLYSKDTEFGYQPKTIKNDMLCAGFEEGKKDACKGDSGGPLVCLVGQS
WLQAGVISWGEGBARQNRPGVYIRVTAHHNWIHRIIPKLQFQPARLGGQK

FIG. 2

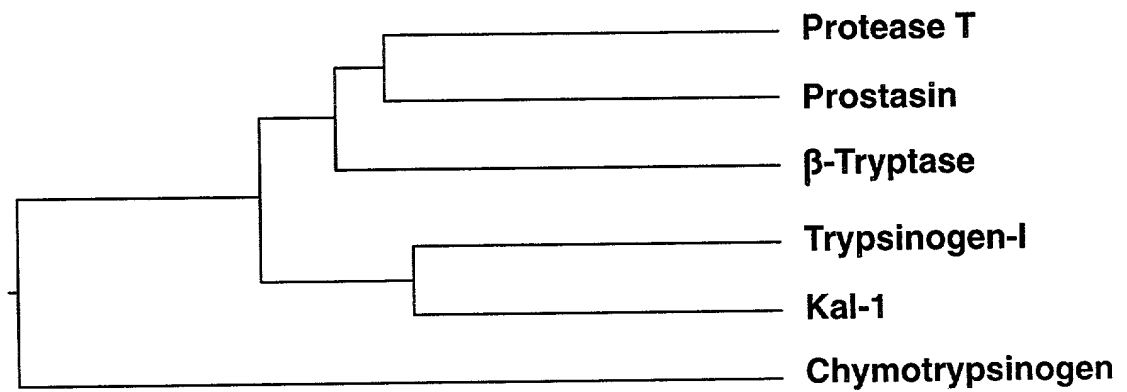


FIG. 3

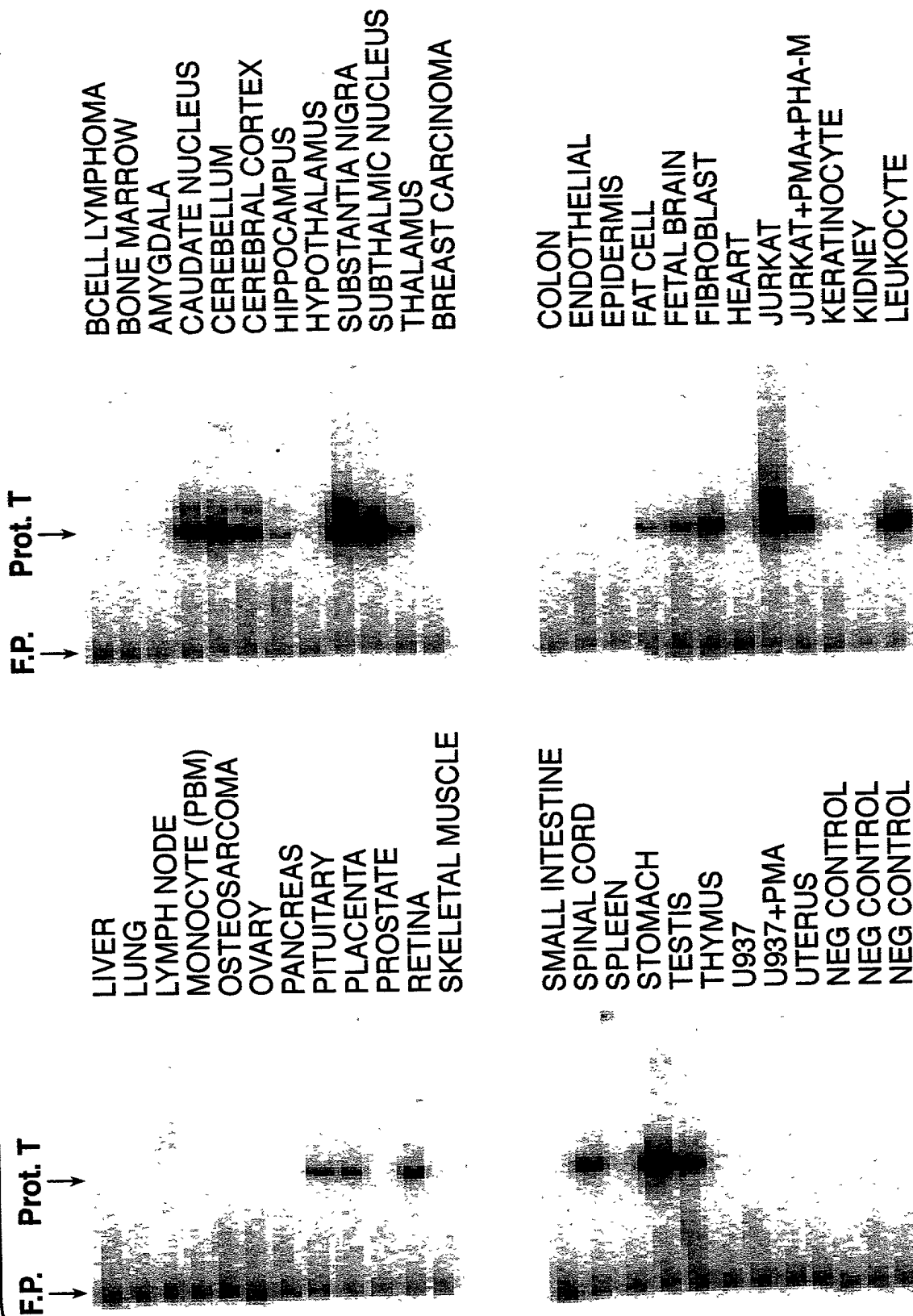


FIG. 4

FUSION PROTEIN

Nucleic Acid sequence of PFEK-PROTT-HIS fusion protein
(SEQ.ID.NO.:8).

GAATTCACCACCATGGACAGCAAAGGTTTCGTTCGAGAAATCCCGCCTGCTCCTGCTGCTG
GTGGTGTCAAATCTACTCTTGTGCCAGGGTGTGGTCTCCGACTACAAGGACGACGACGAC
GTGGACGCGGCCGCTCTTGCTGCCCCCTTTGATGATGATGACAAGATCGTTGGGGGCTAT
GCTCTAGAGGAGGGCGAGTGGCCCTGGCAAGTCAGCATCCAGCGCAACGGAAGCCACTTC
TGCGGGGGCAGCCTCATCGCGGAGCAGTGGGTCTGACGGCTGCGCACTGCTTCCGCAAC
ACCTCTGAGACGTCCCTGTACCAGGTCCTGCTGGGGGCAAGGCAGCTAGTGCAGCCGGGA
CCACACGCTATGTATGCCCGGGTGAGGCAGGTGGAGAGCAACCCCTGTACCAGGGCAGC
GCCTCCAGCGCTGACGTGGCCCTGGTGGAGCTGGAGGCACCAGTGCCCTTCACCAATTAC
ATCCTCCCCGTGTGCCTGCCTGACCCCTCGGTGATCTTTGAGACGGGCATGAACTGCTGG
GTCACTGGCTGGGGCAGCCCCAGTGAGGAAGACCTCCTGCCCGAACCGCGGATCCTGCAG
AAACTCGCTGTGCCCATCATCGACACACCCAAGTGCAACCTGCTCTACAGCAAAGACACC
GAGTTTGGCTACCAACCCAAAACCATCAAGAATGACATGCTGTGCGCCGGCTTCGAGGAG
GGCAAGAAGGATGCCTGCAAGGGCGACTCGGGCGGCCCCCTGGTGTGCCTCGTGGGTCAG
TCGTGGCTGCAGGCGGGGGTGATCAGCTGGGGTGAGGGCTGTGCCCCGCCAGAACCGCCCA
GGTGTCTACATCCGTGTCAACGCCACCACAACCTGGATCCATCGGATCATCCCCAACTG
CAGTTCCAGCCAGCGAGGTGGGGCGGCCAGAAGTCTAGACATCACCATCACCATCACTAG
CGGCCGCTTCCCTTTAGTGAGGGTTAATGCTTCGAGCAGACATGATAAGATACATTGATG
AGTTTGGACAAACCACAACCTAGAATGCAGTGAAAAAATGCTTTATTTGTGAAATTTGTG
ATGCTATTGCTTTATTTGTAACCATTTATAAGCTGCAATAAACAAGTTGAC

Amino Acid sequence of PFEK-PROTT-HIS fusion protein
(SEQ.ID.NO.:9).

MDSKGSSQKSRLLLLLLVVSNLLLCQGVVSDYKDDDDVDAAALAAPFDDDDKIVGGYALEE
GEWPWQVSIQRNGSHFCGGLIAEQWVLTAAHCFRNTSETSLYQVLLGARQLVQPGPHAM
YARVRQVESNPLYQGTASSADVALVELEAPVPFTNYILPVCLPDPSVIFETGMNCWVTGW
GSPSEEDLLPEPRILQKLAVPIIDTPKCNLLYSKDTEFGYQPKTIKNDMLCAGFEEGKKD
ACKGDSGGPLVCLVGQSWLQAGVISWGEGCARQNRPGVYIRVTAHHNWIHRIIPKLQFQP
ARLGGQKSRHHHHHH

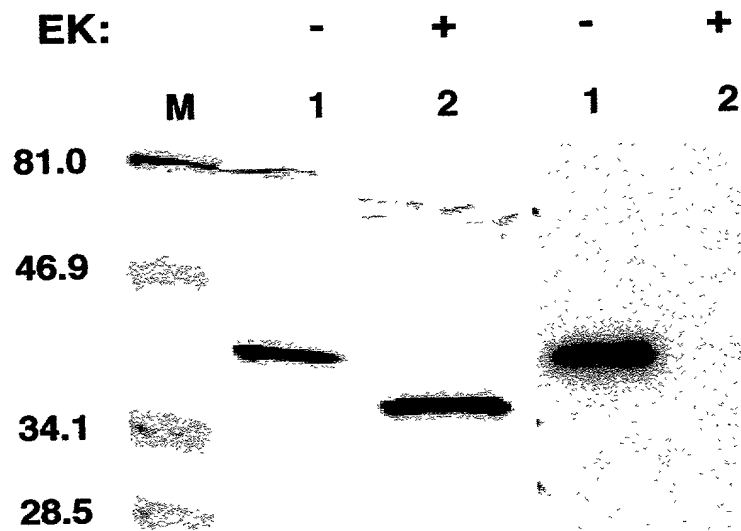
FIG. 5**Protease: PFEK-Protease T-HIS**

FIG. 6**Protease Activity of Protease T**